Precision Target Acquisition, Mobile (PTAM)

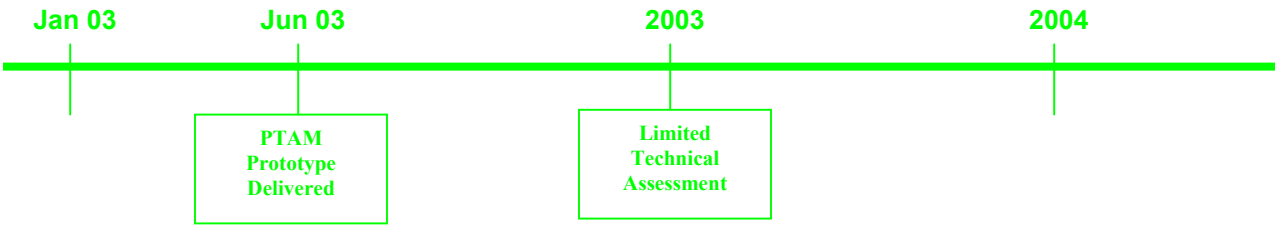
Purpose: PTAM supports target location, designation, and handoff by developing emerging technologies, to enable indirect fires observers to use a mobile platform to simultaneously attack targets using close air support, naval surface fires, and ground fires.

Background: Ground forces need a means to provide reliably accurate target location information in digital format to supporting arms agencies in order to capitalize on the precision munitions that are becoming the backbone of fire support systems. This is particularly true for mounted forces that must be capable of rapidly obtaining target location and directing fires before they become targeted themselves. This system provides precision targeting capability on a mobile platform -- such as the Interim Fast Attack Vehicle (IFAV) – but applicable to many other vehicle platforms. This effort assists the development of a demonstrable technology capable of meeting the requirements of the TLDHS ORD with technology developed to adapt to a mobile platform. This capability was noted in the Artillery OAG Priority for Technology Development list, January 2001.

Description: The system uses a derivation of the Target Handoff System (Experimental) that employs an inertial navigation gyro for greater precision. It is compatible with Advanced Field Artillery Tactical Data System fire support coordination systems and with advanced target hand-off system equipped tactical aircraft. Experimentation will consist of a series of limited technical assessments (LTAs) and a concept demonstrator to include live fire by operating forces. After the assessment process, transition will occur in several ways. First, we anticipate drafting a universal needs statement (UNS). Second, technology transition can occur based on a joint decision by Marine Corps Systems Command and the Combat Development Command**.**

Deliverable Product(s): Prototypes for operational assessment and requirements documentation.

Milestones:



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